Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/13/2017 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124319	-1	1.99	124230	1.97
Blue	F	SSC	125000	124081	-1	3.18	124535	3.04
Blue	E	FITC	23355	22498	-4	2.59	1001	10.17
Blue	D	PE	28848	28429	-2	2.16	1022	9.77
Blue	B	PerCP-Cy5-5	47791	46925	-2	3.45	1344	16.75
Blue	A	PE-Cy7	41358	41145	-1	5.06	638	35.45
Red	C	APC	51316	50320	-2	2.74	2920	9.17
Red	A	APC-Cy7	53225	52292	-2	2.88	1082	11.22
Violet	B	V450	14473	13768	-5	3.45	666	8.81
Violet	A	V500	59973	58627	-3	3.18	2607	6.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19070	3.61	607	9	N/A	N/A	Pass
Blue	F	SSC	61474	2.05	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.20	542	-2	0.0217	234	Pass
Blue	D	PE	225	28.61	538	0	0.1619	237	Pass
Blue	B	PerCP-Cy5-5	210	44.76	627	-3	0.0104	104	Pass
Blue	A	PE-Cy7	70	120.29	680	-1	0.0119	19	Pass
Red	C	APC	340	26.89	589	-5	0.0217	77	Pass
Red	A	APC-Cy7	120	39.92	570	-6	0.0056	1565	Pass
Violet	B	V450	80	42.36	475	4	0.0452	1915	Pass
Violet	A	V500	190	22.46	507	6	0.0130	172	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.89	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.98	13.27 - 19.91	N/A	N/A	31.74	32.30	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11075

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments